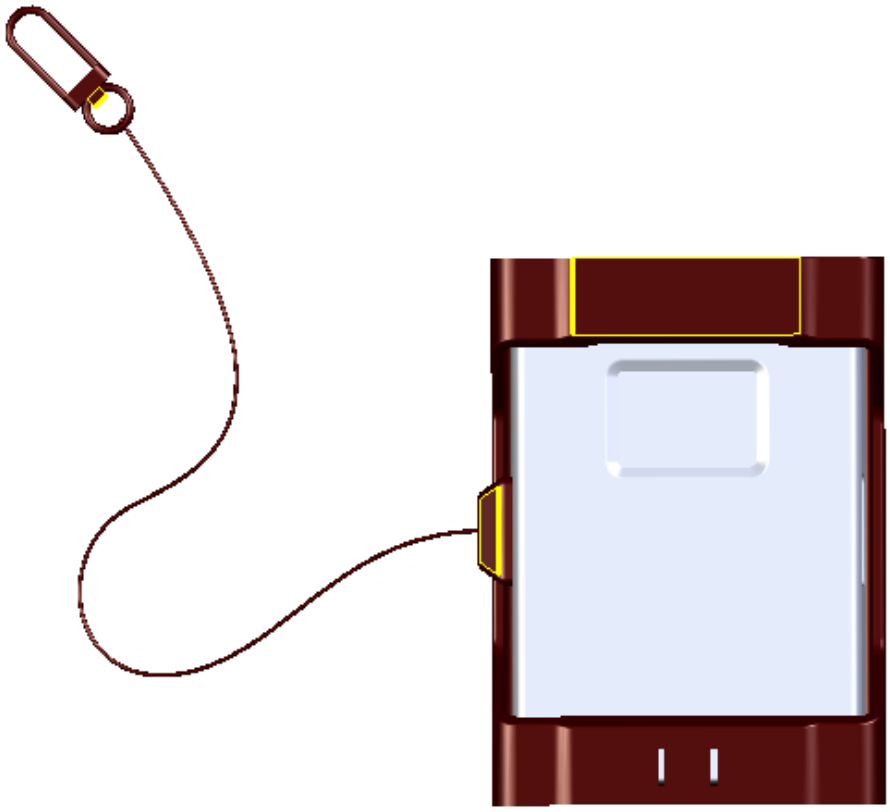
TITLEY SCIENTIFIC™

SMS Alarm

User Manual



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1. Introduction

Congratulations on your purchase of the SMS Alarm SMSA1000. SMSA1000 is an electronic alarm sending an SMS message to one or several mobile numbers when the alarm is activated. Animal safety and ethical considerations dictate that animals are removed from traps as soon as possible to minimize stress and possible self-harm. You can now be alerted when your trap has been sprung, with an SMS message from the new SMSA1000. The SMSA1000 uses the tripping of a magnetic reed switch to trigger a modem to send you an SMS message over the GSM (mobile phone) network. This alarm is very easy to set up on all different kinds of traps and with its waterproof, rugged construction design it can work under different weather condition in the wild.

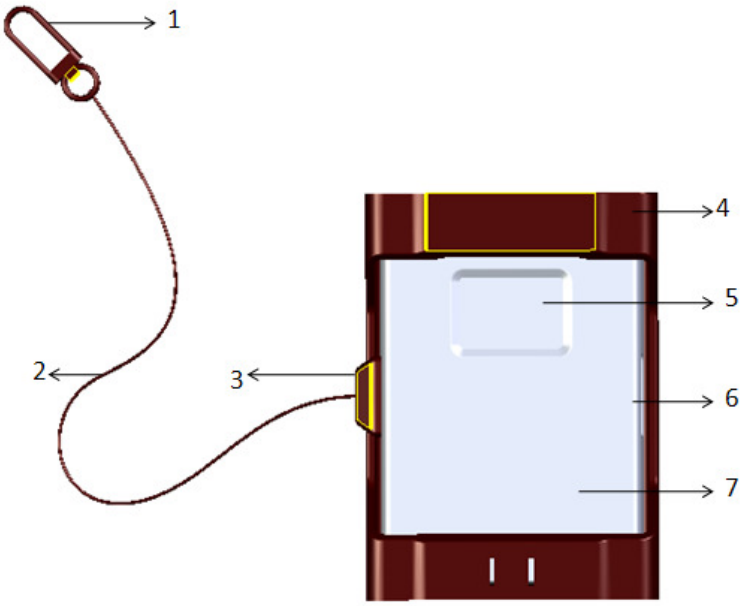
Main Features:

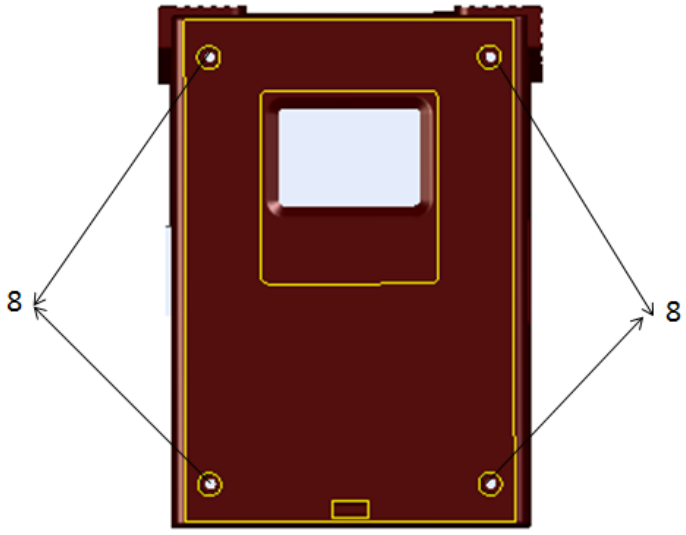
Easy to Mount on All types of Traps
Work with SIM Card
Transmit SMS upon Alarm
Fast Response When Triggered
Ultra Portable Size (35mmx29.6mmx5.3mm)
LCD Display
Transmit periodical message
Power Supply: 3*AA Cell Batteries
Long Working Hours
Waterproof

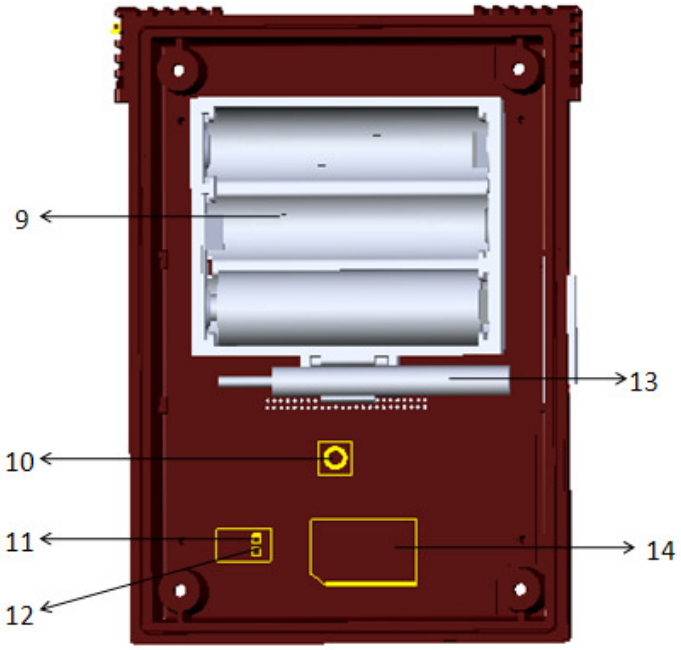
2.SMSA1000 Specifications

Communication Module	2G Cell Phone Module
Communication Card	SIM Card
LCD Screen Size	36mm×29.6 mm×5.3 mm
Password Protection	4 digits (Default 1234)
Power Saving Sleep Mode	Machine will go to sleep mode automatically(LCD will shut off) after 2 minutes without operation
Working Current	<40mA
Sleep Mode Current	<0.2mA
Minimum Working Voltage	3.9V
Trigger Time	Receive SMS message within 3 minutes after the machine is triggered (with good signal reception)
Trigger Counter	0-999
Temperature Indicator	C/F
Auto Working Status Report Set-Up	Can be set within 1-255 hours. If set at 0, machine will turn on once an hour to only receive message instruction, will not give status report
Power supply	4.5V, 3x AA cell batteries

3. Parts Identifications







1. Lock
2. Steel Wire
3. Magnet
4. Mounting Kit
5. LCD Screen
6. Magnet Slot
7. SMSA1000 Main Body
8. Screw Holes
9. Battery Compartment
10. Reset Button
11. Machine On/Off (Switch 2)
12. LCD On/Off (Switch 1)
13. Antenna
14. SIM Card Slot

4. Packing Contents

SMSA1000 1 piece
Mounting Kit and Strap
Magnet, Steel Wire and Lock Set
User Manual

5. Battery and SIM Card Installation

5.1 Open the Back Cover

Use the small wrench provided to remove the screws in the front cover, then slight remove the back cover from the machine, then turn over the machine. Now you will see the battery slot and SIM card.

5.2 Battery

SMSA1000 is designed to operate using 3*AA cell batteries and we recommend using Alkaline battery.

NOTE: Always have the machine in OFF position when installing or removing batteries. Please make sure the polarity (+/-) is correct before installation. Incorrect voltage will damage the machine.

5.3 SIM Card

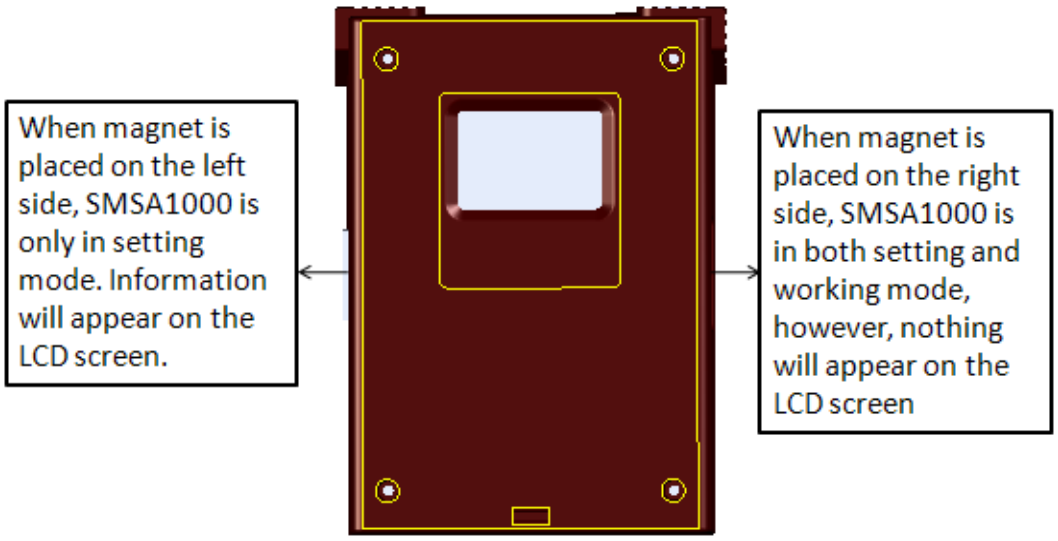
Make sure the machine is on the OFF position whenever adding or removing SIM card. Open the SIM Card slot cover and insert the SIM card (not provided) into the SD card slot with the flat corner facing left down corner.

NOTES: SIM card must not contain a PIN code.

6.Setup your SMSA

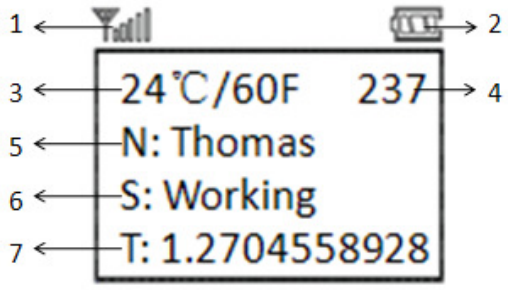
NOTE: On SMSA1000, there are two slots where the magnet can be placed on. When magnet is placed on the left side, machine is only in setting mode, you can see the setting information appears on the LCD screen. When magnet is placed on the right side, machine is in both setting and working mode; however, for power saving purpose, no information will appear on the LCD screen. SO we suggest when first set up the machine, place the magnet on the left side, after setting up is done, put the magnet on the right side for working mode. SO MAKE SURE YOU MUST PUT THE MAGNET ON THE RIGHT SIDE WHEN YOU LEAVE THE UNIT IN WORKING MODE, OTHERWISE MACHINE WILL NOT WORK PROPERLY.

Please see this chart for better understanding.


When magnet is placed on the left side, SMSA1000 is only in setting mode. Information will appear on the LCD screen.
When magnet is placed on the right side, SMSA1000 is in both setting and working mode, however, nothing will appear on the LCD screen

6.1 LCD Menu

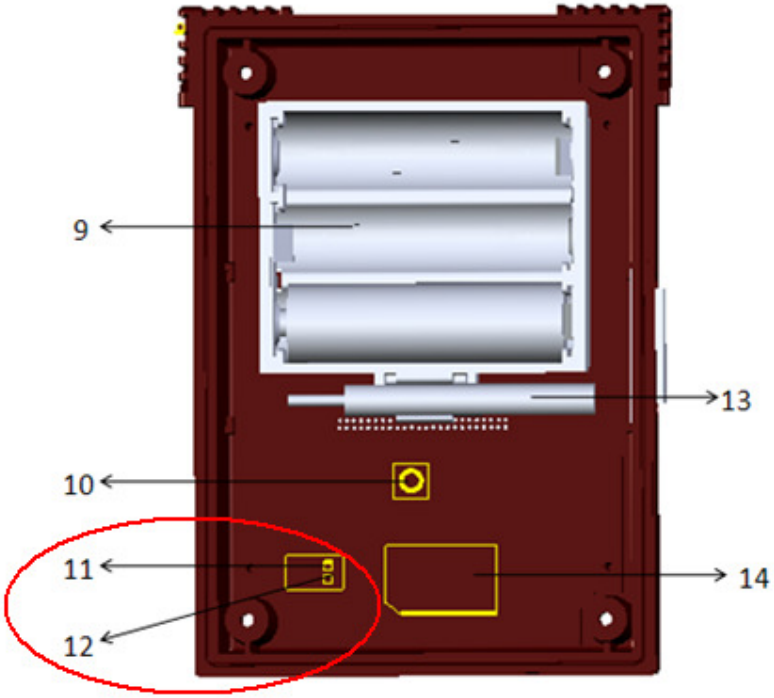
All the setting will be done through text message so use your cell phone to send commands and SMSA will response with a confirmed text message.



1. Cell Phone Signal
2. Battery Status
3. Temperature
4. Trigger counter
5. Name
6. Working Status
7. Telephone Number

6.2 Turn on the Unit

Open the unit, insert the SIM card and turn the Switch 11 and 12 on. After you finish all setting, you can close the unit and screws it tight.



NOTE: When you turn on the unit, the system will start searching the signal. Depending on the network signal strength in each different country, the searching process could be range from 20 seconds to 5 minutes. If the searching process takes over 5 minutes, please turn off the unit and take out the SIM card and re-start all over again. Please use your mobile phone to check the signal in this area first.

6.3 Set Time

Send content: “1234 set time”
You will receive a text message from SMSA: “The time has been set”
NOTES: You don’t need to put the specific time in the content, SMSA will read the time information from cell phone carrier

6.4 Change Password

Default password is 1234.
Send content: “1234 pin XXXX”
You will receive a text message from SMSA: “The password has been changed to XXXX”

6.5 Change Name

Send content: “1234 name XXXX”
You will receive a text message from SMSA: “The trap-name has been changed to XXXX”

6.6 Add Phone Number

Send content: “1234 add XXXXXXXXXXX”
You will receive a text message from SMSA: “The system has been added a new receiver number XXXXXXXXXXX”

You can repeat this by adding more numbers. The system can support up to 10 alert phone numbers.

6.6 Delete a Certain Number

Send content: “1234 del XXXXXXXXXXX”
You will receive a text message from SMSA: “The system has been removed a receiver number: XXXXXXXXXXX”

6.7 Delete All Numbers

Send content: “1234 del ALL”
You will receive a text message from SMSA: “All telephone numbers have been removed from the system”

6.9 Set Auto Working Status Report Period

Send content: “1234 auto X”
You will receive a text message from SMSA: “The system has been set to an automatic report status, the report interval is X hours.”

NOTE: By setting X hours for automatic report status, you will receive an automatic report from SMSA every X hours. X can range from 1-255. If X is set to 0, SMSA will turn on automatically every hour but won’t give a report. During the time when SMSA turns on, it will receive text message commands.

6.10 Check Software Version

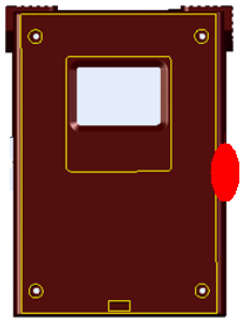
Send content: “1234 ver”
You will receive a text message from SMSA: “The system version is 1.00.”

6.11 Reset

To reset password, hold the black button for 3 seconds
To reset to factory default, hold the black button for 10 seconds

7. Using the SMSA

After setting up SMSA1000 put the back cover onto the front cover and put the screws in the holes and make them tight. Now remove the magnet from the left side of SMSA to the right side, now the machine is in working mode.



When the magnet is removed by out force, the unit will power-on itself and start searching the signal and send the alert information to the pre-stored cell numbers. After sending out the alert message, the unit will come back to power down and sleep to save power.

NOTE: Depending on the network signal strength in each different country, the searching process could be range from 1 minute to 5 minutes.

The SMSA will send out automatic working status messages every X hours according to your setting. And when the magnet is removed from the SMSA, SMSA will consider it has been triggered then therefore send out the alarm text message. If SMSA is triggered, you will receive an SMS message:

“

Status: Triggered (Not Triggered)
Name: XXXX
Tel Number: X
Total Triggered: XXX
Battery: XX%
Signal: XX%
Temperature: XXC/XXF
Next Auto SMS: XXXX-XX-XX XX:XX

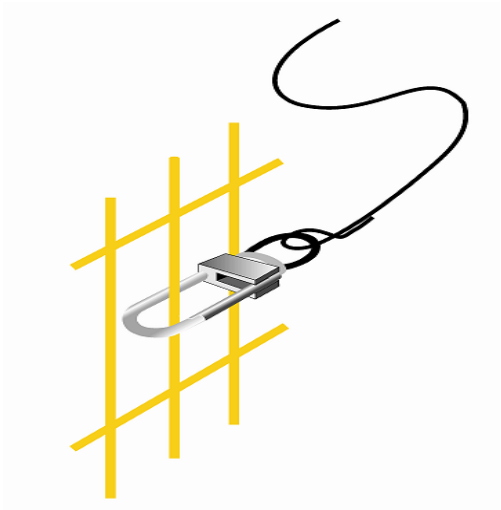
”

NOTE: When the unit is trigged, we suggest the user come back to the place and check the status at the earliest time to avoid a false trigger by wind, bird etc. If it is a real trigger, you should place the magnet back to right side (Working status) to let the unit back to working again.

8. Mounting the SMSA

Put the SMSA in the mounting kit and place the magnet on the right side of SMSA. Insert the strap through the strap slots on the rear housing of the mounting kit. Wrap the strap around the mounting surface. Secure the strap and tighten the buckle in order to secure the SMSA.

There are two ways to put the lock onto a cage. For a small and thin column size cage, just put the lock on the column, as in the picture:



For a bigger and thicker column cage, put the wire through the lock to secure, as in the picture: